U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE E **Application Number** 09/980.329 STATEMENT BY APPLICANT Filing Date March 5, 2002 First Named Inventor Roger J. TALISH MAY 2 4 200 Group Art Unit 3737 (use as many sheets as nece) Examiner Name Smith, Ruth S. Sheet Attorney Docket Number 41482/205543 U.S. PATENT DOCUMENTS **Document Number** Name of Patentee or Applicant of **Publication Date** Cited Document Pages, Columns, Lines, Where Relevant Examine MM-DD-YYYY Cite No 1 Passages or Relevant r Initials ' Number - Kind Code² (if Figures Appear known) US-3,575,050 04/1971 /RSS/ Lynnworth US-4,195,517 04/1980 Kalinoski, et al. US-4,467,659 08/1984 Baumoel US-4,557,148 12/1985 Akiyama US-4,570,487 02/1986 Gruber US-4,680,967 07/1987 Rost US-4,930,358 06/1990 Motegi, et al. US-5,154,189 10/1992 Oberlander US-5,280,728 01/1994 Sato, et al. US-5,843,741 12/1998 Wong, et al. US-5,856,622 01/1999 Yamamoto, et al. US-5,906,580 05/1999 Kline, Schoder, et al. US-5,954,675 09/1999 Dellagatta US-6,028,066 02/2000 Unger US-6,065,350 05/2000 Hill, et al.

Bachem /RSS FOREIGN PATENT DOCUMENTS Foreign Patent Document Pages, Columns, Lines, Name of Patentee or Cite Examiner Publication Where Relevant Date MM-DD-YYYY Initials* Passages or Relevant Country Code3 - Number4 - Kind Code5 (if known) Document T٥ Figures Appear Fraunhofer-EP 0 425 765 A1 05/08/1991 /RSS/ Abstr Gesellschaft Examiner Date 07/10/2007 Signature /Ruth S. Smith/ Considered

Duffill, et al.

Hovda, et al.

Huckle

08/2000

07/2001

08/14/2003

05/18/2006

US-6,105,431

US-6,264,650

US-2003/0153849

US-2006/0106424

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 09/980,329

Filing Date March 5, 2002

First Named Inventor Roger J. TALISH

Group Art Unit 3737

Examiner Name SMITH, Ruth S.

Attorney Docket Number 41482/205543

(use as many sheets as necessary)

Sheet of 2 **U.S. PATENT DOCUMENTS Document Number** Name of Patentee or Applicant of **Publication Date** Pages, Columns, Lines, Where Relevant Cited Document Examine r Initials * MM-DD-YYYY Cite No.1 Passages or Relevant Number - Kind Code² (if Figures Appear US-1,063,782 06-03-1913 /RSS G.O. & C.A. Dickey US-2,914,829 12-01-1959 L.F. Willemain US-2,920,853 01-12-1960 J. Bufogle US-3,521,225 07-21-1970 J.I. Kursman et al. US-3,664,626 05-23-1972 L.J.Sneller 01-30-1973 US-3,714,619 Morgan et al. US-3,729,162 04-24-1973 Frank J. Salvato US-3,890,953 06-24-1975 Kraus, et al. US-4,141,524 02-27-1979 Louis Corvese, Jr. US-4,229,992 10-28-1980 McKee et al. US-4,291,025 09-22-1981 Michael A. Pellico US-4,347,645 Kazuo Iseki 09-07-1982 US-4,407,044 10-04-1983 Kazuo Iseki US-4,410,158 10-18-1983 Eugene R. Maffei 05-12-1981 US-4,266,532 Ryaby et al. US-4,266,533 05-12-1981 Ryaby et al. US-4,570,927 02-18-1986 Petrofsky et al. US-4,725,272 02-16-1988 Robert M. Gale US-4,917,376 04-17-1990 Lo US-4,928,959 05-29-1990 Bassett, et al. US-5,230,646 07-27-1993 Douglas O. Thorup US-5,368,044 11-29-1994 Cain et al. US-5,425,954 06-20-1995 Thompson et al. US-5,484,388 01-16-1996 Bassett et al. US-6,061,597 05-09-2000 Rieman et al. US-6,190,336 02-20-2001 Duarte et al. US-6,234,975 B1 05-22-2001 McLeod et al. US-6,311,402 B1 11-06-2001 Brandl et al. US-6,322,527 11-27-2001 Roger J. Talish US-6,355,006 03-12-2002 Ryaby et al. US-6,394,955 B1 05-28-2002 Perlitz US-6,406,443 06-18-2002 Roger J. Talish US-6,436,060 08-20-2002 Roger J. Talish US-6,503,214 01-07-2003 Roger J. Talish US-6,524,261 02-25-2003 Talish et al. US-6,685,656 02-03-2004 Duarte et al. US-6,733,468 05-11-2004 Roger J. Talish US-6,932,308 08-23-2005 Talish et al. US-2002/0016557 02-07-2002 Duarte US-2003/0153848 08-14-2003 Talish US-2003/0153849 08-14-2003 Huckle US-2005/0096548 A1 05-05-2005 Talish /RSS D380440 07-01-1997 Talish et al.

Examiner Signature

/Ruth S. Smith/

Date Considered

07/10/2007

Sheet 1 of 10

Form PTO-1449

Docket No.: 41482-205543

Application No. 09/980,329

Applicant:

Winder et al.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION Use several sheets if necessary)

 Group Art Unit 3737

		A TOP OF THE CONTROL		NT:DOCUMENTS語			THE RESERVE OF THE PERSON OF T
xaminer	A STATE OF THE PARTY OF THE PAR	Patent Number	Date	Patentee	Class	Subclass	NORTH HEALTH AND
itial							
		32,782	11/15/88	Pratt, Jr.			
		34,959	05/30/95	Potts			
	1	3,134,451	05/26/64	Hanssen			
		3,193,034	07/06/65	Hutchinson, et al.	-		
	····	3310,049	03/21/67	Clynes			
		3,433,663	03/18/69	Underwood			
		3,499,437	03/10/70	Balamuth			
	·····	3,550,586	12/29/70	Balamuth	1		
		3,594,993	07/27/71	Heyse			
		3,701,352	10/31/72	Bosworth			
		3,760,799	09/25/73	Crowson			
		3,767,195	10/23/73	Dimick			
		3,828,769	88/13/74	Mettler	+		<u> </u>
· ·		3,855,638	12/24/74	Pillia			<u> </u>
		3,961,380	06/08/76	Gerr	1		
		3,986,212	10/19/78	Sauer	 		
		4,105,017	08/08/78	Ryaby et al.	 . 	. •	
		4,127,125	11/28/78	Takemoto et al.	<u> </u>	,	
		4,164,794	08/21/79	Spector, et al.	 		ļ. <u> </u>
		4,170,045	10/09/79	Estes	 		
		4,176,664	12/04/79	Talish	-		
		4,206,516	06/10/80	Pilliar	 	<u></u>	
		4,216,766	08/12/80	Duykers, et al.	1		
		4,227,111	10/07/80	Cross, et al.	 		
 		4,233,477	11/11/80	Rice, et al.	-		-
		4,269,791	05/26/81	Mikiya, et al.	 		
		4,296,753	10/27/81	Goudin			
		4,3/2,536	01/26/82	Lloyd	\		
		4,315,503	12/16/82	Ryaby et al.	1		
			09/28/82	Ballintyn, et al.			
		4,351,069	10/26/82	Deloison, et al.	+		
		4,355,428	L		1	/	
	/	4,358,105	11/09/82	Sweeney, Jr. Pratt, Jr.			
		4,361,154	 	Pratt, Jr.	 		
		4,365,359	12/28/82		 		
_/	7Ruth S.	4,383,533	05/17/83	Bhagat et al.	7/10/2007	+	
/	//\uuii 3.	अग्रिका, 119	12/20/83	Flatt, Jr.	1,10,2007		
		4,440,025	04/03/84	Hayakawa, et al.	<u> </u>		\
aminer:		4,441,486	04/10/84	Pounds Date Considered:			

Sheet 2 of 10

Form PTO-1449

Docket No.: 41482-205543 Application No. 09/980,329

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)

Winder et al.

Filing Date:

Applicant:

Group Art Unit 3737

March 5, 2002 3737

		nematelementaries error	Walch		3/3	CHARLE CONTRACTOR A STORY	THE RESIDENCE OF THE PARTY OF T
				NT/DOCUMENTS推定			
xaminer nitial		Patent Number	Date	Patentee	Class	Subclass	
nua:		4,446,586	05/08/84	Reed et al.	<u> </u>	/	
		4,452,326	06/05/84	Hanssen, et al.		/	
	-	4,476,874	10/16/84	Taenzer et al.		/	
		1,511,921	04/16/85	Harlan et al.			·
		4,330,360	07/23/85	Duarte			
		4,536,894	08/27/85	Galante, et al.			
		4,542,589	09/24/85	Rowe, Jr., et al.	/		ļ - -
		4,542,744	09/24/85	Barnes et al.			ļ
		4,550,714	11/85	Talish Talish			
		4,556,066	12/03/85	Semrow			<u> </u>
		4,570,640	02/18/86	Barsa	ļ		
		4,573,996	Q3/04/86	Kwiatek, g(al.		·	
		4,594,662	08(10/86	Devaner	-		
		4,612,160	09/16/86	Donlevy, et al.			
		4,627,429	12/09/86	Tsak			<u> </u>
		4,630,323	12/23/86	Sage et al.			
		4,644,942	02/24/87	Sump			
		4,677,438	06/30/87	Michiguchi et al			<u> </u>
		4,687,195	08/18/87	Potts			
		4,708,127	11/24/87	Abdelahani			<u></u>
		4,710,655	11/24/87	Masaki			
		4,770,184	09/13/88	Greene, Jr. et al.	· · · · · · ·		
		4,726,099	02/23/88	Card		· · · · · · · · · · · · · · · · · · ·	
			08/16/88	Sommer et al.			
		4,763,661					
	·	4,774,959	10/04/88	Palmer et al. Ricken			
		4,787,070	11/08/88	Suzuki et al.		•	
		4,787,888	11/22/88		\		
		4,797,888 4,792,336	11/29/88	Fox Hlavacek, et al.			
			12/20/88		$\vdash \rightarrow$		
	/	4,802,477	02/07/89	Gabbay Okazaki			
		4,830,015 4,836,316	05/16/89	Carnevale, et al.		\	
		4,855,911	08/08/89	Lele et al.		-+	
	/		08/22/89				
	/	4,858,599		Halpern Machida et al.			
	-/Ruth S	4,867,169	09/19/89	Robinson	7/10/200	7	
/		4,891,849	01/09/90				
/		4,905,671	03/06/90	Senge et al.			\
		4,913,157	04/03/90	Pratt, Jr. et al.			
	<u></u>	4,917,092 4,926,870	04/17/90 05/22/90	Todd, et al. Brandenburger			
		4 4 1/6 × /()	1 115/77/90	, scandennurger			

Sheet 3 of 10

Application No. Docket No.: 09/980.329 Form PTO-1449 41482-205543 Applicant: INFORMATION DISCLOSURE Winder et al. CITATION **Group Art Unit** Filing Date: IN AN APPLICATION March 5, 2002 3737 (Ose several sheets if necessary) 以及後期間の表現である。 WARRENT TO COMENTS I TO SERVE TO COMENTS I TO COMENTS Palent Number Date Patentee Class Subclass Examiner Initial 06/12/90 Liboff et al. 4.932.951 Card, et al. 06/12/90 4,933,230 Detwiler et al. 06/26/90 4,936,303 07/17/90 Pratt, Jr. 4,941,474 08/14/90 Hon 4,047,853 Valchanov et al. 4,979,501 12/25/90 4,982,730 01/08/91 Lewis, Jr. Ishida et al. 4,986,275 01/22/91 McLeod et al. 02/19/91 4,993,413 02/26/91 Demane, et al. 4,995,883 03/19/91 Bonnefous 5,000,183 Dalebout, et al. 5,000,442 03/19/91 5,003,965 04/02/91 Talish of al. 04/02/91 Cook 5,004,476 Sonwartz 5,016,641 05/21/91 05/28/9 Zolman, et al. 5,018,285 Bassett, et al. 09/10/91 5,046,484 10/08/92 Rossman et al. 5,054,490 Liboff et al. 5,067,940 11/26/91 01/14/92 Bellis 5,080,672 5,088,976 02/18/92 Liboff et al. 03/31/92 French 5,099,702 03/31/92 Liboff et al. 5,100,373 McLeod et al. 04/14/92 5,103,806 Liboff et al. 5,106,361 04/21/92 04/28/92 Plyter 5,107,883 04/28/92 Fallin 5,108,452 Smith 07/28/92 5,1/33,420 6,134,999 08/04/92 Osipov 08/18/92 Astudillo Ley 5,139,498 08/25/92 Stouffer et al. 5,140,988 Kwon et al. 09/01/92 5,143,069 5,143,073 09/92 Dory Peters, et la. 5,163,598 11/17/92 12/22/92 Kulow et al. 5,172,692 /Ruth S. 01/10/200 01/12/93 Vago 25, ¥78, 134 01/26/93 Viebach, et al. 5,181,512 02/09/93 Grzeszykowski 5,184,605 5,186,162 02/16/93 Talish et al. 03/09/93 McLeod et al. 5,191,880 Date Considered:

Sheet 4 of 10

Form PTO-1449

Docket No.: 41482-205543 Application No. 09/980,329

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Winder et al.

Applicant:

Filing Date: March 5, 2002

Group Art Unit 3737

(Use several shee		filing Date: March	5, 2002	373	up Art Unit 37	
	KOMBERSHIEL S	U'S PATE	NT:DOCUMENTS NA			细性影影
xaminer Itial	Patent Number	Date	Patentee	Class	Subclass	1
	5,197,475	03/30/93	Antich et al.	 		
	5,201,766	04/13/93	Georgette			1
	5,209,221	05/11/93	Riedlinger			
	6,211,160	05/18/93	Talish et al.	1		
	5,330,334	07/27/93	Klopotek	/		†
	5,230,345	07/27/93	Curran, et al.	/		
	5,230,921	07/27/93	Waltonen, et al.	/		
	5,235,981	08/17/93	Hascoet et al.			
	5,254,123	10/19/93	Bushey	1	<u> </u>	
	5,259,384	11/09/93	Kaufman et al.	 	 	+
	5,269,306	12/14/93	Warnking, et al.	1		†
	5,273,028	12/28/93	McLeod, et al.	†	1	
	5,284,143	02/08/94	Rattner	 		+
	5,285,788	02/16/94	Arenson et al.		<u> </u>	
	5,295,931	03/22/94	Dreibelbis, et al.	 	·	
	5,301,683	04/12/94	Durkan			 -
	5,307,284	04/26/94	Brunfeldt et al.			
· 	5,309,898	05/10/94	Kaufman et al.			
	5,310,408	05/10/94	Schryver, et al.			1
	5,314,401	05/24/94	Teppor			
	5,316,000	95/31/94	Chapelon, et al.	 		
	5,318,561	06/07/94	McLeod et al.			<u> </u>
	5,318,779	06/07/94	Hakamatsuka et al.			
	5,322,067	06/21/94	Prater et al.			
	5,323,769	06/28/94	Bommannan, et al.			
	5,327,890	07/12/94	Matura et al.			
	5,330,481	07/19/94	Hood, et al.			
<u> </u>	5,320,489	07/19/94	Green, et al.			<u> </u>
	5,334,214	08/02/94	Putnam			
	5,339,804	08/23/94	Kemp			
	5,340,510	08/23/94	Bowen			· · · · · · · · · · · · · · · · · · ·
	5,351,389	10/04/94	Erickson et al.			1
	5,363,850	11/15/94	Soni et al.	<u> </u>		† · · · · · ·
	5,366,465	11/22/94	Mirza			
	5,367,500	11/22/94	Ng			
/Ruth:	\$ 37,3778,065	12/27/94	McLeod et al.	7/10/2001		
	5,380,269	01/10/95	Urso			
	5,386,830	02/07/95	Powers et al.		**	
	5,393,296	02/28/95	Rattner			
		03/07/95	Frazin et al.			
İ	5,394,878	1 03/0//33	i razin ct ai.	1	L	

Sheet 5 of 10

Application No. Docket No.: 09/980,329 Form PTO-1449 41482-205543 Applicant: INFORMATION DISCLOSURE Winder et al. CITATION **Group Art Unit** IN AN APPLICATION Filing Date: March 5, 2002 3737 (Use several sheets if necessary) 是被此类等於是企業的主義的主義。U.S.PATENTEDOCUMENTS的指数 Class Patentee Subclass Patent Number Date Examiner Initial 5,400,795 03/28/95 Murphy, et al. 04/11/95 Conta, et al. 5,405,389 04/25/95 Rattner 5,409,446 05/09/95 Castel 5,413,550 3415,167 05/16/95 Wilk 5,417,215 05/23/95 Evans et al. Kawano et al.. 06/13/95 5,424,650 07/11/95 Holden 5,431,612 5,434,827 07/18/95 Bolorforosh 08/15/95 Hileman et al 5,441,051 Fareed 08/15/95 5,441,058 5,448,994 09/12/95 **Iinuma** Hall, er al. 10/24/95 5,460,595 11/14/95 Lair et al. 5,466,215 5,468,220 11/21/95 Sycher 12/19/93 Edrich, et al. 5,476,438 Stoner 12/26/95 5,478,306 5,492,525 02/20/94 Gibney 03/05/96 Uchara et al. 5,495,846 03/05/96 Bock et al. 5,496,256 83/26/96 Feero 5,501,657 04/16/96 Strickland 5,507,800 DeMane, et 04/16/96 5,507,830 Davidson, et a 5,509,933 04/23/96 Winder et al. 5,520,612 05/28/96 5,524,624 06/11/96 Tepper, et al. 5,526,815 Granz, et al. 06/18/96 5,541,489 07/30/96 Dunstan ,547,459 08/20/96 Kaufman et al. 09/17/96 Talish et al. 5,556,372 11/26/96 Pohl et al. 5,578,060 Safari, et al. 5,615,466 04/01/97 5,626,554 05/06/97 Ryaby, et al. Markowitz et al. 05/06/97 5,626,630

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Crowley

King

Ogden

Hossack, et al.

Watanabe, et al.

Gentilman, et al.

Date Considered:

Carodiskey

01/10/2007

05/20/97

07/15/97

08/12/97

10/28/97

11/25/97

11/25/97

12/23/97

Examiner:

5,630,837

5,656,016

5,680,863

5,690,608

5,691,960

5,699,803

Sheet 6 of 10

IN AN APPLICATION Filing Date:

: Group Art Unit March 5, 2002 3737

 	eets if necessary)		5, 2002	. 373		
		U.S.PATE	NT:DOCUMENTS M			
xaminer litial	Patent Number	Date	Patentee	Class	Subclass	
	5,702,353	12/30/97	Guzzini, et al.			
	5,702,389	12/30/97	Taylor, et al.			
	5,706,818	01/13/98	Gondo			
•	5,708,236	01/13/98	Shaanan, et al.			
	5,721,400	02/24/98	Haraldsson, et al.			
	5,725,482	03/10/98	Bishop	1		
	5,728,005	03/17/98	Taylor et al.	/	_	<u> </u>
	5,730,703	03/24/98	Talish, et al.			
	5,738,625	04/14/98	Gluck			
	5,741,317	04/21/98	Ostrow			
	5,743,862	04/28/98	Izumi			
	5,755,746	05/26/98	Lifshey, et al.			
	5,762,616	06/09/98	Talish			
	5,779,600	07/14/98	Pape	· ·		
	5,785,656	07/28/98	Chabrera, et al.	1		
	5,818,149	10/06/98	Bafari et al.			
	5,829,437	11/03/98	Bridges		· · · · · · · · · · · · · · · · · · ·	
	5,868,649	02/09/99	Krickson, et al.	1.		
	5,871,446	02/16/99	Wilk			
	5,886,302	03/23/99	Germanton, et al.			
	5,891,143	04/06/99	Taylor et al.			
	5,899,425	05/04/99	Corey Jr., et al.			
	5,904,659	05/18/99	Duarte, et al.			
	5,957,814	09/28/99	Eschenbach			
	5,971,984	10/26/99	Taylor et al.			
1.	5,997,498	12/07/99	McLeod, et al.			
	6,019,710	02/01/00	Dalebout, et al.	/		
	6,022,349	02/08/00	McLeod, et al.			
	6,030,386	02/29/00	Taylor et al.			
	6,068,596	05/30/00	Weth, et al.	1.		
	6,080,088	06/27/00	Petersen, et al.			
	6,086,078	07/11/00	Ferez			
	6,093,135	07/25/00	Huang			
	6,165,144	12/26/00	Talish, et al.			
	6.179.797	01/30/01	Brotz			•
/Ru	th S 8,200,843	03/2001	Iger, et al.	47/10/200	/	
	6,213,958	04/10/01	Winder			/
/	6,261,221	07/17/01	Tepper, et al.			
	6,261,249	07/17/01	Talish, et al.			
	6,273,864	08/14/01	Duarte			
	6,360,027	03/19/02	Hossack et al.			_

Sheet 7 of 10

Form PTO-1449	Docket No.: 41482-205543	Application No. 09/980,329
INFORMATION DISCLOSURE	Applicant: Winder et al.	
IN AN APPLICATION (Use several sheets if necessary)	Filing Date: March 5, 2002	Group Art Unit 3737

	Marie Service N	ON:U:S::DO	CUMENIO			
kaminer itial	Document Number	Date	Country	Class	Subclass	Translation
/RSS/	WO 85/03449	08/15/85	PCT			
	2156983A	10/16/85	UK			
	0 181 506 A2	05/21/86	Europe			
	SHO 62[1987]-47359	03/02/87	JAPAN			
	DE 3639263 A1	06/25/87	Germany			
	WO 88/00845	02/11/88	PCT			
	WO 88/02250	04/07/88	PCT			
	331 348 A1	09/06/89	Europe			
	WO 90/06720	06/28/90	PCT			
	DE 41 11 055 A1	10/10/01	Germany			
	HEI 4[1992]-82567	03/16/92	JAPAN			
	HEI 4[1992]-82568	03/16/92	JAPAN			
	HEI 4[1992]-82569	03/16/92	JAPAN			
	0 536 875 A1	04/14/93	Europe			
	HEI 5[1993]-269159	10/19/93	JAPAN			
	1,328,485	04/12/94	CA			
	WO 94/13411	06/23/94	PCT			
	2277448A	11/02/94	UK			
	WO 95/03744	02/09/95	PCT			
1	0 679 371 A1	11/02/95	Europe			
	WO 95/33416	12/14/95	PCT			
	EP 0 695 559	02/07/96	Europe			
	WO 96/25112	08/22/96	PCT			
	WO 96/25888	08/29/96	PCT			
	DE 19613425	01/16/97	Germany			
	2 303 552 A	02/26/97	UK			
	WO 97/33649	09/18/97	PCT			<u> </u>
	WO 98/10729	03/19/98	PCT			
	WO 98/34578	08/13/98	PCT			
/RSS/	WO 98/47570	10/29/98	PCT			
/R-3-5/	DE 298 11 185 UI	12/11/98	Germany		no	coba
/RSS/	WO 99/18876	04/22/99	PCT			<u> </u>
	WO 99/22652	05/14/99	PCT			ļ
	WO 99/48621	09/30/99	PCT			
	WO 99/56829	11/11/99	PCT			
7	Ruth S. Swyth/00/28925	05/25/00	PCT	07/10/2007		
/RSS/	WO 00/03663*	01/27/00	PCT			no co
	AU 199950292	02/07/00	Australia			
/RSS/	WO 00/71207	11/30/00	PCT			<u> </u>
	WO 00/76404	12/21/00	PCT			no co

^{*}For English version see related Australian Application No. 19950292

Sheet 8 of 10

1			Docket No.:	Application No.						
	Form PTO	-1449	41482-205543	09/980,329						
			Applicant:							
	INFO	RMATION DISCLOSURE CITATION	Winder et al.							
		N AN APPLICATION	Filing Date:	Group Art Unit						
	(Use s	everal sheets if necessary)	March 5, 2002	3737						
			OTHER MATERIAL VIEW							
	Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.								
	/RSS/	ABSTRACT, (Proceedings of STIMULATION OF FRACTURE)	the 11th Int'l. Conference on Medical and RE HEALING", 1976.	Biological Engineering) "ULTRASONIC						
		FORMATION IN BONES", 19	75.	ng) "ULTRASONIC ACTION ON CALLUS						
		TREATMENT OF FRACTURE		•						
		Plastics and Electrical Insulat	ing Materials [Metric]", pp. 176-184, (Dec.							
	/RSS/	ASTM Designation: C1161-90 Temperature, pp.324-330.(F), "Standard Test Method for Flexural Stre eb. 1991)	ngth of Advanced Ceramics at Ambient						
no	date_	Brochure: The Science Behin	id the Technology," distributed by Smith 6	Hephew for EXOGEN. (no date)						
	/RSS/	Arai et al., "THE EFFECT OF	ULTRASOUND STIMULATION ON DISU	ISE OSTEOPOROSIS", BRAGS 17, 1993.						
			nosphate and Calcium Signaling", Nature							
				otion of Cells", JASA (1969), 47(2): 649-653.						
		Duarte, L.R., 'The Stimulation	of Bone Growth by Ultrasound*, Arch. Or	1hop. Trauma Surg (1983), 101: 153-159.						
	ł		cations of Ultrasound", Biological Effects ne Inc., New York, Chapter 11.	of Ultrasound (1985), Nyborg, W.L. and Ziskin,						
		Goodship, A.E. et al., "The Inf	fluence of Induced Micromovement Upon	the Healing of Experimental Tibial Fractures*,						
		J. Bone and Joint Surg. (1985) Heckman, J.D. et al., "Acceler		vasive Low-Intensity Pulsed Utrasound", J.						
		Bone and Joint Surg. (1994),	76-A(1): 26-34.							
	-		e Thresholds for Changes in Cells and Ti							
			es and the Effect of Ultrasound", Ultrasoni nated Healing of Distal Radial Fractures w							
		Ultrasound", J. Bone and Join	t Surg. (1997), 79-A(7) 961-973.							
	/RSS/	Maurice Hilario, "LOW-INTEN ULCERS", 1983, University of	SITY ULTRASOUND RADIATION IN THE Sao Paulo, pp. 1-125.	E TISSUE REPAIR OF TROPHIC LEG						
			Biological Repair and Growth Society, Ju	ne 1998 NO COPY						
	/RSS/	Phoenix (Business Wire), July	8, 1997 via CompanyLink - OrthoLogic (Corp.						
		"Reflex Sympathetic Dystroph	y, Does RSD Exist?" www.arbon.com (06	/04/97)"						
		1	y: The Pain That Doesn't Stop," tcc.cc.no							
ı	•	RSDnet.org "Reflex Sympathe	etic Dystrophy," www.rsdnet.org (06/04/97)						
		RSDnet.org "Reflex Sympathe	etic Dystrophy," www.rsdnet.org (06/04/97)						
			ysics of Therapeutic Ultrasound", Physioti							
		Wallace, A.L.; Draper E.R.C.;	Strachan, R.K.; McCarthy, I.D.; Hughes, and Related Research (1994),	S.P.F., "The Vascular Response to Fracture						
				gth in a Rat Femoral Fracture Model", J. Ortho						
				n Vitro' Stimulation of Collagen Synthesis in						
	/RSS/		b Low-Intensity Ultrasound Treatment Incr tho Research (1996), 14:802-809.	eases Aggrecan Gene Expression in a Rat						
	Examiner:	/Ruth S. Smith/	Date Considered:	07/10/2007						
		R: Initial if citation considered, w	hether or not citation is in conformance we clude copy of this form with next commun	ith MPEP § 609; Draw line through citation if						
ı	HOUR HE COME	ormanice and not considered. In	cioue copy or this form with next commun	псанон ю ине аррясани.						

Sheet 9 of 10

					T A - P N-
	Form PTO-	1449	Docket No.: 41482	2-205543	Application No. 09/980,329
	INFO	RMATION DISCLOSURE CITATION	Applicant: Winde	er et al.	
		N AN APPLICATION everal sheets if necessary)	Filing Date:	5, 2002	Group Art Unit
	Walker March 1				
		Including Author, Title, Date,	Portinget Pages Et		HITTER COMPANY OF THE SECOND STREET, S
	Examiner Initial				·
no da	te	"Treatment of Ostoschendral	Defects in Robbits	with SAFHS Parts Land II, F	X1005.018, EX1006.018
	/RSS/	"Treatment of Osteochondral	Defects in Rabbits	with SAFHS - Part III, EX1097	-01R (August 26, 1997).
	 	- Final Report, EX1098-04R	(August 12, 1999).		with SAFHS - A Mosaicplasty Model*
		Acoustic Emission - An Upda	ate, by Arthur E. Lor	d, Jr., 1981, Physical Acoustic	s, vol. XV, pp. 295-360
		Symposium Proceedings (IEI	EE), pp. 77-81		on and R. Clinton, 1974, Ultrasonic
		Proceedings (ASME), pp. 79-	-81		ppez, 1973, Biomechanics Symposium
		Quality Control, pp. 278-293	•		17, Nondestructive Evaluation and
		Clinton 1975 Ultrasonic Syn	noosium Proceeding	is (IEEE), pp. 41-45	eoporosis, by S. Hanagud and R. G.
		Sachse Mar 1989 Acquistic	Society of America.	. pp. 787-791	ysis, by Igo Grabec and Wolfgang
		Press Ltd. op. 111-115			es, by I. Grabec, 1978, IPC Business
	· /RSS/	Acceleration * presented at IS	SAFXI, Montreux, Sv	witzerland (1998)	oosite Transducer for Bone Healing
no d	ate	date)		•	national Bureau of Standards. (no
	/RSS/	Biomedical Engineering Vol.	25. pp. 831-839 (19	97)	ance-Based Testing Device," Annals of
		Meeting Orthogeadic Research	ch Society, vol. 22,	Sec. 1, Feb. 9-13 (1997)	ochondral bone repair 43rd Annual
		Orthonedics and Related Res	search (1989) 241:3	6-47	al Fractures," Orthopedics, Clinical
		Jankovich, "The Effects of Mo	echanical Vibration	on Bone Development in the R	at," J. Biomechanics, 1972, Vol. 5, pp.
		Ko, "Preform Fiber Architectu	re for Ceramic-Matr	ix Composites, "Ceramic Bulle	tin, Vol. 68, No. 2, pp. 401-414(1989)
		Annual Meeting, Orthopaedic	Research Society.	March 16-19, 1998, New Orlea	Low Level Whole Body Vibration," 44th ans, Louisiana, page 89-15
	/RSS	Newnham et al. "Connectivi	ty and Piezoelectric	Pyroelectric Composites, Med	i. Res. Bull., Vol. 13, pp. 525-536
		Pauer, "Flexible Piezcelcotric			no date
	/RSS				Res. Bull., Vol. 22, pp. 877-894 (1987)
	1	Powell, et al., "A Performance 1991 Ultrasonic Symposium.	pp. 753-766		cet Ensemble Scattering Technique,"
		Powell, et al., "Flexible Ultras Theoretical Modeling Approa-	onic Transducer Arr ch, "IEEE Transaction	ons on Ultrasonics, Ferroelectr	tion Applications – Part I: The rics, and Frequency Control, Vol. 43,
	/RSS/	Powell, et al., "Flexible Ultras Assessment of different Array Control," Vol. 43, No. 3, May	/ Configurations," IE	ays for Nondestructive Evalua EEE Transactions on Ultrasonic	tion Applications – Part II: Performance cs, Ferroelectrics, and Frequency
	Examiner:	/Ruth S. Smith/			0/2007
	EXAMINER not in confo	R: Initial if citation considered, or ormance and not considered. It	whether or not citation clude copy of this f	on is in conformance with MPE orm with next communication	P § 609; Draw line through citation if to the applicant.

Sheet 10 of 10

		Docket No.:		Application No.				
Form PTO-	1449		-205543	09/980,329				
		Applicant:						
INFOR	MATION DISCLOSURE	Winde	r et al.					
	CITATION							
	I AN APPLICATION	Filing Date:		Group Art Unit				
	veral sheets if necessary)	March 5	·	3737				
SWIFT BU	Wildermann Mc Roy	OTHER	MATERIAL WAS COME	的特别的人们是由自由的人们的人们的人们的人们们们们们们们们们们们们们们们们们们们们们们们们们们				
Examiner	Including Author, Title, Date, F	Pertinent Pages, Etc	.					
Initial	•							
/RSS		Problems of Biological Action of Ultrasound," IEEE Transactions on Sonics and						
11,00	Ultrasonics, vol. 30, No. 1, Jan	n. 1983	demontal Principles and Passa	actives for Use in Ostoonarasis by I				
/RSS/	Ultrasound as a Tool for Inves	stigating Bone: Funt	damental Principles and Persp	ectives for Use in Osteoporosis, by J.				
	G. Bloch, 1993, Expanson Sc	n Vivo Bose Adapta	tion and Mechanical Paramete	rs Using Low Magnitude, High				
/RSS/	Frequency Loading," 41st Ann	ual Meeting Orthoga	edic Research Soc., vol. 20 –	Sec. 1. Feb. 13-16 (1955)				
	- Baccom, "Other Continuous F							
	•	s Forms 120/Constituent Material Forms no date						
/RSS/	70. No. 3. pp. 424-429 (1991)			nning Process," Ceramic Bulletin, Vol.				
	"Development of Flexible Piece	electric Transducer	s and Matching Layers for EX	OGEN Incorporated," Final Report,				
	Covering Period 04-01-97 to 02-28-98, Rutgers University. Grewe, et al., "Acoustic Properties of Particle Polymer Composite for Ultrasonic Transducer Backing Applications,"							
	Grewe, et al., "Acoustic Prope	erties of Particle Poly	ymer Composite for Ultrasonic	Transducer Backing Applications,*				
	IEEE, (1990)	Matching And Backi	ng Laver for Medical Ultrasoni	c Transducers," A Thesis in Solid State				
	Science, The Pennsylvania S	tate University: (May	y 1989). The Center for Ceram	ics Research, Rutgers.				
	Gururaja, T., "Piezoelectric Co	omposite Materials f	or Ultrasonic Transducer Appl	ications," A Thesis in Solid State				
	Science, The Pennsylvania S	tate University, May	1984.					
	Gururaja, "Piezoelectrics for N	Medical Ultrasonic In	naging," Am. Ceram. Soc. Bull	., Vol. 73, No. 5, pp. 50-55 (May 1994)				
	Hall, et al., "The design and e 1733 (1992)	valuation of ultrasor	nic arrays using 1-3 connectivity	y composites," SPIE, pp. 216-227, Vol.				
 	Niemczewski, B., "A Comparis	son of Ultrasonic Ca	vitation Intensity in Liquids," L	Iltrasonics, Vol. 18, pp.107-110, 1980.				
 				ealing in the Rabbit," Journal of				
	Orthopaedic Trauma, Vol. 4, I	No. 3. pp. 246-253 (1990)					
	Safari, "Development of piezo	electric composites	for transducers," J. Phys.Fran	се, 4:1129-1149 (1994)				
	Selfridge, "Approximate Mate 1985)	rial Properties in Iso	tropic Materials," IEEE Transa	ctions on Sonics and Ultrasonics, 9May				
 	Souquet, et al., "Design of Low-Loss Wide-Band Ultrasonic Transducers for Noninvasive Medical Application," IEEE							
} }	Transactions on Sonics and U	Jitrasonics, pp. 75-8	 Vol. SU-26, No. 2, March 19 	979 <u> </u>				
	Waller, et al., "Poling of Lead	Zirconate Titanate (Ceramics and Flexible Piezoel	ectric Composites by the Corona				
	Discharge Technique " J. Am.	. Ceram. Soc., 72(2)):322-24 (1989)					
		ctural Imaging and \	olume Estimation of Biologica	l Tissue Organs," ,Acoustic Sciences				
	Associates, Dec. 1995.		ha Datastian I seelisetian and	Classification of Matabolic Rone				
	Winder, Alan, "Acoustic Emis	Sion Monitoring for t	ne Detection, Localization and 105	Classification of Metabolic Bone				
	Disease," Acoustic Sciences	neat of Velocity and	Attenuation of Shear Waves in	Bovine Compact Bone Using				
/RSS/	Ultrasonic Spectroscopy," Me	ed. & Biol., Vol. 23. N	No. 1,129-134, 1997.					
	Tavakoli and Evans , 1992 (n	o other information	aveilable at this time)	incomplete				
Examiner:			Date Considered:					
LAMINITEI.	/Ruth S. Smith/			0/2007				
FXAMINE	R: Initial if citation considered v	whether or not citation	on is in conformance with MPE	P § 609; Draw line through citation if				
not in confe	ormance and not considered. In	nclude copy of this f	orm with next communication	to the applicant.				

Sheet 1 of 10

Docket No.:

41482-205543 Applicant: Application No. 09/980,329

INFORMATION DISCLOSURE CITATION

Ise several sheets if necessary)

Winder et al.

Filing Date:

March 5, 2002

Group Art Unit

Hart College College College College	Siledisii Hecessary)		11 5, 2002	37	37		
		難USRRATI	ENT DOCUMENTS			WHEN THE REAL PROPERTY.	65%
Examinar Initial	Patent Number	Date	Patentee	Class	Subclass		1-1-1-1-1
illi	32,782	11/15/88	Pratt, Jr.		 /-		
	34,959	05/30/95	Potts				
	3,134,451	05/26/64	Hanssen			 	
 	3,193,034	07/06/65	Hutchinson, et al.	 -/ i	ECEI	VEB	
	3,310,049	03/21/67	Clynes		ILVLI	AEL	
 	433,663	03/18/69	Underwood	+V	NOV 1 3	2002	
	3,499,437	03/10/70	Balamuth	-И	10113	2002	
1	3,550,686	12/29/70	Balamuth	TECH	NOLOGY CE	NITED DOZOG	
	3,594,998	07/27/71	Heyse	I I EUR	NOLUGY CE	NIER H3700	
	3,701,352	10/31/72	Bosworth	- - 	 		
	3,760,799	09/25/73	Crowson		 		
	3,767,195	10/23/73	Dimick		 		
	3,828,769	08/13/74	Mettler		 		
	3,855,638	12/24/74	Pilliar				
	3,961,380	06/08/76	Gan	- -	 		
	3,986,212	10/19/76	Sauer		 	+	
	4,105,017	08/08/78	Ryaby et al.	 - - 	 	- 	
	4,127,125	11/28/78	Takemoto et al.	- - 	 	 	
	4,164,794	08/21/78	Spector, et al.		 		
	4,170,045	10/09/79	Estes	- - 	 		
	4,176,664	12/04/79	Talish		 		
	4,206,516	26/10/80	Pilliar				
	4,216,766	08/12/80	Duykers, at al.			+	
	4,227,111	10/07/80	Cross, et al.	 		 	\dashv
	4,233,477	11/11/80	Rice, et al.	 -		 	
	4,269,797	05/26/81	Mikiya, et al.			+	
	4,296,753	10/27/81	Goudin				
	4,312,536	01/26/82	Lloyd	4-1-1		+	\dashv
	4,375,503	12/16/82	Ryaby et al.			+	\dashv
	4,351,069	09/28/82	Ballintyn, et al.			+	⊣
	4,355,428	10/26/82	Deloison, et al.			1	
	4,358,105	11/09/82	Sweeney, Jr.				一
	4,361,154	11/30/82	Pratt, Jr.		$\overline{}$	1	\dashv
. /	4,365,359	12/28/82	Raab	1-1-1			\neg
	4,383,533	05/17/83	Bhagat et al.			 	$\neg \neg$
	4.421.119	12/20/83	Pratt, Jr.		1	 	\dashv
/RI	uth S. 桑炯枫,025	04/03/84	Hayakawa, et al.	07/10 2007		 	\dashv
.4/	4,441,486	04/10/84	Pounds	7-1-1		/	\neg
yeminer:	L M	`	Date Considered:	/ 			\neg
	1 Na a 71 7 W	,	, , ,			•	

1 2 2002

Förm PTO-1449

Docket No.:

Applicant:

Sheet 2 of 10

41482-205543

Application No. 09/980,329

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Winder et al.

Filing Date:

Group Art Unit

(Use several sheets if necessary) March 5, 2002 3737 ALEXADOR OF SURATENT DOCUMENTS PROTESTED IN Patent Number Date Patentee Class Subclass Initial M 4,446,586 05/08/84 Reed et al. 4,452,326 06/05/84 Hanssen, et al. 4,476,874 10/16/84 Taenzer et al. 4,511,921 04/16/85 Harlan et al. 4,530,360 07/23/85 Duarte 536,894 08/27/85 Galante, et al. RECEIVE 4,512,539 09/24/85 Rowe, Jr., et al. 4,542,744 09/24/85 Barnes et al. 4,550,714 NON 1 & 2002 11/85 Talish 4,556,066 12/03/85 Semrow 4,570,640 02/18/86 TECHNOLOGY CENTER R3700 Barsa 03/04/86 4,573,996 Kwiatek. et al. 4,594,662 06/10/86 Devane 89/16/86 4,612,160 Donlevy, et al. 4,627,429 12/09/86 Tsuk 4,630,323 12/23/86 Sage et al. 4,644,942 02/24/8 Sump 4,677,438 06/30/87 Michiguchi et al 4,687,195 08/18/9 Potts 4,708,127 11/24/87 Adelghani 4,710,655 12/01/87 Masaki 4,770,184 09/13/88 Greene Jr. et al. 4,726,099 02/23/88 Card 4,763,661 08/16/88 Sommer et à 4,774,959 10/04/88 Palmer et al. 4,782,822 11/08/88 Ricken 4,787,070 11/22/88 Suzuki et al. 4,787,888 11/29/88 Fox 4,792,336 12/20/88 Hlavacek, et al. ,802,477 02/07/89 Gabbay 4,830,015 05/16/89 Okazaki 4,836,316 06/06/89 Carnevale, et al. 4,855,911 08/08/89 Lele et al. 4,858,599 08/22/89 Halpern 4,867,169 09/19/89 Machida et al. 4,891,849 01/09/90 Robinson 0**†/**10/2**0**0 /Ruth S 4,903,671 03/06/90 Senge et al. 4,913,157 04/03/90 Pratt, Jr. et al. 4,917,092 04/17/90 Todd, et al.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

05/22/90

Brandenburger

Date Considered:

12/03

Examiner:

4,926,870

Sheet 3 of 10 Docket No.: Application No. Form PTO-1449

41482-205543 Applicant:

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Winder et al.

Filing Date: March 5, 2002 Group Art Unit 3737

09/980,329

	N APPLICATION ral sheets if necessary)	Filing Date: Marc	h 5, 2002	٠	37	oup Art	Unit	
PARTY CONT		U.S. PAT	ENT DOCUMENTS	* 101 117			THE VALUE OF	
xaminer nitial	Patent Numb	er Date	Patentee		ass	Subc	lass	
M	4,932,951	06/12/90	Liboff et al.					
	4,933,230	06/12/90	Card, et al.			1/		
	4,936,303	06/26/90	Detwiler et al.			/		
	4,941,474	07/17/90	Pratt, Jr.		17	1		
	4,947,853	08/14/90	Hon		/-	+		
	4,979,501	12/25/90	Valchanov et al.		†	 		
	4,982,730	01/08/91	Lewis, Jr.		1	557	77-17	/ED
	4,986,275	01/22/91	Ishida et al.	/	┪	The L	<u> </u>	
	4,993,413	02/19/91	McLeod et al.	<u> </u>	T	MOV	1 3 2	2002
	4,995,883	02/26/91	Demane, et al.		†	HAC A	1 2 4	1002
	5,000,183	03/19/91	Bonnefous		1	21010	V CEN	TER R3700
	5,000,442	03/19/91	Dalebout, et al.		IECI	HOLU	DI CEN	ILIT NOTO
	5,003,965	04/02/91	Talish et al.	\dashv	+		 	
	5,004,476	04/02/91	Cook				1	·
	5,016,641	05/21/91	Schwartz		1	 	1	···
	5,018,285	05/28/91	Zolman, et al.	- 	1		 	
	5,046,484	09/10/9	Bassett, et al.		†		1	·····
	5,054,490	10/08/91	Rossman et al.		1	<u> </u>	 	
	5,067,940	11/26/91	Liboff et al.		\top			
	5,080,672	01/14/92	Bollis					
	5,088,976	02/18/92	Libou et al.	1	1			
	5,099,702	03/31/92	French		1		·	
	5,100,373	03/31/92	Liboff et al.		1			
	5,103,806	04/14/92	McLeod et a					·
	5,106,361	04/21/92	Liboff et al.					
	5,107,853	04/28/92	Plyter		П			<u>-</u>
	5,108,4/52	04/28/92	Fallin					
	5,137,420	07/28/92	Smith	7	П			
	5,734,999	08/04/92	Osipov					
	5,139,498	08/18/92	Astudillo Ley					
	5,140,988	08/25/92	Stouffer et al.					
	5,143,069	09/01/92	Kwon et al.		7			
	5,143,073	09/92	Dory					
	5,163,598	11/17/92	Peters, et la.			7		
1 /	5,172,692	12/22/92	Kulow et al.					
1/1	Ruth S 5,178,134	01/12/93	Vago	07/10/2	007			
	5,181,512	01/26/93	Viebach, et al.					
1	5,184,605	02/09/93	Grzeszykowski					
	5,186,162	02/16/93	Talish et al.					$\overline{\lambda}$
\mathcal{U}	// /3,191,880	03/09/93	McLeod et al.	TT				1

Sheet 4 of 10

N 1 2 1002 2 EOM PTO-1449

Docket No.: 41482-205543 Application No. 09/980,329

Applicant:

Winder et al.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Filing Date:

Group Art Unit

and leaves a manufacture of the state of the	sheets if necessary)		5, 2002		' 37		
		WUS!PATE	NT/DOCUMENTS	PHONE ST	LANGE BY		
xamoer itial	Patent Number		Patentee	Class	Subda		
M	5,197,475	03/30/93	Antich et al.		+	/	
1001	5,201,766	04/13/93	Georgette	 -	+		
	5,209,221	05/11/93	Riedlinger	++-	1		
	5,211,160	05/18/93	Talish et al.	 	/		
1	5,230,334	07/27/93	Klopotek		1-		
	5,230,345	07/27/93	Curran, et al.	++	1		
	5,230,921	07/27/93	Waltonen, et al.	1/1	D#	C.F	IVED
~ 	5,236,981	08/17/93	Hascoet et al.	/	 	<u>. U </u>	
	5,254, 23	10/19/93	Bushey	4	1 NA	VT	3 2002
100	5,259,384	11/09/93	Kaufman et al.		 	* -	
 	5,269,306	12/14/93	Warnking, et al.		±	LOGY	CENTER H
	5,273,028	12/28/93	McLeod, et al.	 	FCHN	LUGI	J-111-11
	5,284,143	02/08/94	Rattner	+	 		
	5,285,788	02/15/94	Arenson et al.		1-1		• -
	5,295,931	09/22/94	Dreibelbis, et al.	++-	 		
1	5,301,683	04/12/94	Darkan	++	 		
 	5,307,284	04/26/94	Brunfeldt et al.	 		\dashv	
1	5,309,898	05/10/94	Kaufman et al.				
	5,310,408	05/10/94	Schryver, et al.	 - - 	 		
 	5,314,401	05/24/94	Tepper	 - - 	 		
	5,316,000	05/81/94	Chapelon, et al.			+	
 	5,318,561	96/07/94	McLood et al.	++-		+	
 	5,318,779	06/07/94	Hakamatsuka, et al.	 - 		1	
	5,322,067	06/21/94	Prater et al	 		† †	
	5,323,769	06/28/94	Bommannan, et al.	 - - - 		1 1	
1 1	5,327,890	07/12/94	Matura et al.	11			
	5,330,484	07/19/94	Hood, et al.	 		t	
	5,330,489	07/19/94	Green, et al.				
	5,324,214	08/02/94	Putnam	1		1. 1	
	5,339,804	08/23/94	Kemp				
	5,340,510	08/23/94	Bowen				
	5,351,389	10/04/94	Erickson et al.				·
	5,363,850	11/15/94	Soni et al.				
	5,366,465	11/22/94	Mirza				
	5,367,500	11/22/94	Ng				
	5,376,065	12/27/94	McLeod et al.		7		
/Ru	th S. Smit 80,269	01/10/95	Urso 0	7/10/2007			
	5,386,830	02/07/95	Powers et al.			7	
	5,393,296	02/28/95	Rattner				<u> </u>
	5,394,878	03/07/95	Frazin et al.				7
U	5,398,290	03/14/95	Brethour	$\overline{}$			

Sheet 5 of 10

Form PTO-1449

Docket No.: 41482-205543

Application No. 09/980,329

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)

Winder et al.

Filing Date:

Applicant:

March 5, 2002

Group Art Unit

A CALD MARIE	ALL STREET	s II necessary)	•	5, 2002	40 H (3 K 1) W	37		he singl	ALDERS HOSPITALISMO VIA
Site Wildlis	AND LEAST			NT DOCUMENTS					
xammer nitial		Patent Number	Date	Patentee	Cla	ss	Subclas	S /	
Fu \		5,400,795	03/28/95	Murphy, et al.	\top	1		\top	
ì	$\overline{}$	5,405,389	04/11/95	Conta, et al.		†		1	· · · · · · · · · · · · · · · · · · ·
	1	5,409,446	04/25/95	Rattner	_		/	1	
+	- /	5,413,550	05/09/95	Castel	_	1	/ 	 	
1	-	5,415,167	05/16/95	Wilk	\dashv	\forall		t-	
- 		5,417,215	05/23/95	Evans et al.	17	4—			
1		5,124,550	06/13/95	Kawano et al	/	+		-	
1		5,431,612	07/11/95	Holden	/	+-	 14 8	= 6	EIVE
+		5,434,827	07/18/95	Bolorforosh	+	+-			0 0000
		5,441,05	08/15/95	Hileman et al	_	+-] V]	3-2002
1		5,441,058	08/15/95	Fareed	+	+-	· · · · · ·	-	
1		5,448,994	09/12/95	Iinuma		+	TECHNO	Loc	/ CENTER R
+		5,460,595	10/24/95	Hall, et al.	-	+	 	t	
1		5,466,215	11/14/95	Lair, et al.	 	\top		1	
1		5,468,220	1 1/21/95	Sucker		-		1	
	- 	5,476,438	12/19/95	Edrich, et al.	┪~~	\top		1-	·····
1 -1		5,478,306	12/26/95	Stoner	+-				
		5,492,525	02/20/96	Gibney	 	\top		 	
		5,495,846	03/05/96	Uehara et al.		\dashv			
_		5,496,256	03/05/96	Rock et al.	+				
1		5,501,657	03/26/96	Feoro		-11			
		5,507,800	84/16/96	Strickland		\dashv			
		5,507,830	04/16/96	DeMane et al.	 	-11			
1		5,509,933	04/23/96	Davidson, u al.	 	\mathcal{H}			
$\overline{}$		5,520,612	05/28/96	Winder et al.	1	+			
11		5,524,624	06/11/96	Tepper, et al.	┪──	+			··
		5,526,875	06/18/96	Granz, et al.		/			
+ +		5,541,489	07/30/96	Dunstan	1			\Box	
 		5,547,459	08/20/96	Kaufman et al.	\checkmark			1-1	
1 1		2,556,372	09/17/96	Talish et al.					
1		5,578,060	11/26/96	Pohl et al.	1				
1 1		5,615,466	04/01/97	Safari, et al.	\top	7			
1-1		5,626,554	05/06/97	Ryaby, et al.	11	-			***
1		5,626,630	05/06/97	Markowitz et al.	1 1				
1 1		5,630,837	05/20/97	Crowley				寸	
1 1		5,648,941	07/15/97	King	1-1				
1/	/Ruth S.	S6)656,016	08/12/97		7 10/2	07			
		5,680,863	10/28/97	Hossack, et al.	1	\Box		\neg	
1		5,690,608	11/25/97	Watanabe, et al.	1	\sqcap		一	
† †		5,691,960	11/25/97	Gentilman, et al.	1	\top			
 		\$,649,803	12/23/97	Carodiskey	1	/- -		\neg	

Sheet 6 of 10

....

Form PTO-1449

Docket No.: 41482-205543 Application No.

09/980,329

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)

Winder et al.

Filing Date:

Applicant:

March 5, 2002

Group Art Unit

3737

MAN THE				NT DOCUMENTS					
Examiner Initial		Patent Number	Date	Patentee	CI	ass	Subc	lass	
M		5,702,353	12/30/97	Guzzini, et al.		\perp			
1		5,702,389	12/30/97	Taylor, et al.			7		
		5,706,818	01/13/98	Gondo		Π		7	
		5,708,236	01/13/98	Shaanan, et al.				7	
		5,721,400	02/24/98	Haraldsson, et al.		1		1	
		6 ,725,482	03/10/98	Bishop	17	/		1	
		5,128,095	03/17/98	Taylor et al.		1	DE/	h-11	15-5
		5,730,705	03/24/98	Talish, et al.					VED-
		5,738,625	04/14/98	Gluck			1		1
		5,741,317	04/21/98	Ostrow			NUV	1 3	2002
		5,743,862	04/28/98	Izumi		·		T	
		5,755,746	05/26/98	Lifshey, et al.		FEC	NOLO	GY CEN	TER R3700
		5,762,616	06/09/98	Talish			_	1	
		5,779,600	07/14/98	Pape				1	
		5,785,656	0 X28/98	Chizorera, et al.	1			1	•
		5,818,149	10/06/98	Safari et al.				1	· · · · · · · · · · · · · · · · · · ·
		5,829,437	11/03/98	Bridges				-	
		5,868,649	02/09/99	Erickson, et al.					
1		5,871,446	02/16/98	Wilk					
	·	5,886,302	03/23/99	Germanton, et al.					
	,	5,891,143	04/06/99	Taylor et al.					···
		5,899,425	55/04/99	Corey Ir., et al.					
	·····	5,904,659	05/18/99	Duarte, & al.				7	
		5,957,814	09/28/99	Eschenback					
		5,971,984	10/26/99	Taylor et al.					
		5,997,490	12/07/99	McLeod, et al.		i		$\neg \neg$	
		6,019,710	02/01/00	Dalebout, et al.					
		6,022,349	02/08/00	McLeod, et al.				T = T	
	Ĭ	6,020,386	02/29/00	Taylor et al.				$T \Box$	
		6,068,596	05/30/00	Weth, et al.	V				
	<i>X</i>	6,080,088	06/27/00	Petersen, et al.					
		6,086,078	07/11/00	Ferez				,	
		6,093,135	07/25/00	Huang					
		6,165,144	12/26/00	Talish, et al.					
		6,179,797	01/30/01	Brotz					
		6,206,843	03/2001	Iger, et al.					
	/Ruth S. S	S600th8,958	04/10/01	Winder 07.	10/2	007			
1		6,261,221	07/17/01	Tepper, et al.				V	
		6,261,249	07/17/01	Talish, et al.					
		6,273,864	08/14/01	Duarte					1
μ	.1	6,760,027	03/19/02	Hossack et al.					
xaminer:				Date Considered:					
VANABLE O.	Initial if cita	tion considered wheth	or or not citatio	n is in conformance with MF		600	Drawl	ne throu	inh citation if

Sheet 7 of 10

Form PTO-1449

Docket No.: 41482-205543

Applicant:

Application No: 09/980,329

INFORMATION DISCLOSURE

Winder et al.

CITATION
IN AN APPLICATION
Use several sheets if necessary)

Filing Date: March 5, 2002

Group: Art Unit 3737

	Are an all and a second	A STATE OF THE PROPERTY OF THE PARTY OF THE	011111000000	CHACKITANGERIA	Turasinade	THE THE WATER AND	CULTURAL POUR
Examiler		olas artika N	UN U.S. DO	COMEN I STATE	Clarent		
Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation
1		WO 85/03449	08/15/85	PCT	 		<u> </u>
-/-		2156983A	10/16/85	UK	 		ļ
$\overline{}$		0 181 506 A2	05/21/86	Europe	 		<u> </u>
	/-/-	SHO 62[1987]-47359	03/02/87	JAPAN	 		ļ.
	1	DE 3639263 A1	06/25/87	Germany		 	
	-	WO 88/00845	02/11/88	PCT		RECEIL	150
		WO 88/02250	04/07/88	PCT			
		331 348 A1	09/06/89	Europe	f	NOV 1 3 2	100
		WO 90/06720	06/28/90	PCT		.01102	/UZ
		DE 41\11\055 A1	10/10/01	Germany	TECHN	OLOGY CENT	
		HEI 4[1992] 82567	03/16/92	JAPAN	1	OLOGI CENT	EH R3700
		HEI 4[1992] ₁ 88568	03/16/92	JAPAN	-		
		HEI 4[1992]-825(9	03/16/92	JAPAN	 		
		0 536 875 A1	04/14/93	Europe			
		HEI 5[1993]-269159	10/19/93	JAPAN			
		1,328,485	04/12/94	CA			
1	7	WO 94/13411	06/23/94	PCT			
11	.) 	2277448A	11/2/94	UK	 		
 `~	<u> </u>	WO 95/03744	02/09/05	PCT			
·		0 679 371 A1	1/02/93	Europe		-	
		WO 95/33416	12/14/95	PCT		· · · · · · · · · · · · · · · · · · ·	
() 	-	EP 0 695 559	02/07/96	Europe	·		
11-1-(1		WO 96/25112	08/22/96	PCT			
	···	WO 96/25888	08/29/96	PCX			
		DE 19613428	01/16/97	Germany			
		2 303 552 A	02/26/97	UK			
		WO 97/33649	09/18/97	PCT			·
		WO 8/10729	03/19/98	PCT			
		W 98/34578	08/13/98	PCT			
		WO 98/47570	10/29/98	PCT			
		DE 298 11 185 U1	12/11/98	Germany			
		WO 99/18876	04/22/99	PCT	1		
		WO 99/22652	05/14/99	PCT			
	/	WO 99/48621	09/30/99	PCT		1	
	/	WO 99/56829	11/11/99	PCT			
		WO 00/28925	05/25/00	PCT			
	/Ruth S.	minto 00/03663*	01/27/00	PCT 07/	10/2007		
		AU 199950292	02/07/00	Australia			
/		WO 00/71207	11/30/00	PCT			
		WQ Q 0/76404	12/21/00	PCT			
xaminer:	// //	1.1		Considered:			1

Sheet 8 of 10

09/980,329

Docket No.: Application No. Form PTO-1449 41482-205543 Applicant: *INFORMATION DISCLOSURE Winder et al. CITATION IN AN APPLICATION Filing Date: Group Art Unit (Use several sheets if necessary): March 5, 2002 3737 A TOTAL OTHER MATERIAL CONTROL OF THE CONTROL OF TH Including Author, Title, Date, Pertinent Pages, Etc.

TIMULATION OF FRACTURE HEALING", 1976.

ASTRACT, (Proceedings of the III Congress on Biomedical Engineering) "ULTRASONIC ACTION ON CALLUS FORMATION IN BONES", 1975. ABSTRACT, (Proceedings of the IV Brazilain Congress on Biomedical Engineering) "LTRASOUND IN THE TREATMENT OF FRACTURES", 1977. ASTM Designation: D790M-93 Metric, "Standard Test Methods for flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials [Metric]", pp. 176-184, (Dec. 1993) ASTM Designation, C1161-90, "Standard Test Method for Flexural Strength Advanced Ceramics at Ambient Temperature, "p. 324-330.(Feb. 1991) Brochure: "The Science Behind the Technology," distributed by Smith & Nephew for EXOGEN. (no date) Aral et al., "THE EFFECT OF ULTRASOUND STIMULATION ON DISUSE OSTEOPOROSIS", BRAGS 17, 1993. Berridge, M.J., "Inositol Trisphosphate and Calcium Signaling", Nature (1993), 361: 315-325. Clarke, P.R. et al., "Physical and Chemical Aspects of Ultrasonic Disruption of Cells", JASA (1969), 47(2): 649-653. Duarte, L.R., "The Stimulation of Bone Growth by Ultrasound", Irch. Orthop. Trauma Surg (1983), 101: 153-159. Dyson, M., "Therapeutic Applications of Ultrasound", Biological Effects of Ultrasound (1985), Nyborg, W.L. and Ziskin, M.C., eds; Churchill Livingstone Nc., New York, Chapter 1 Goodship, A.E. et al., "The Influence of Induced Micromovement Upon the Healing of Experimental Tibial Fractures", J. Bone and Joint Surg. (1985), 67-B (1): 650-655. Heckman, J.D. et al., "Acceleration of Thial Fracture Healing by Non-Invasive Low-Intensity Pulsed Utrasound", J. Bone and Joint Surg. (1994), 76-A(1): 26-34 Hill, C.R., "Ultrasonic Exposure Thresholds for Changes in Cells and Tissues", JASA (1972), 52(2): 667-672. Howkins, S.D., "Diffusion Rates and the Effect of Ultrasound", Ultrasonics (1969), 129-130. Kristiansen, T.K. et al., "Accertated Healing of Distal Radial Fractures with the Use of Specific, Low-Intensity Ultrasound", J. Bone and Joint Surg. (1997), 79-A(7) 961-973.

Maurice Hilario, "LOW-INTENSITY ULTRASOUND RADIATION IN THE TISSUE REPAIR OF TROPHIC LEG ULCERS", 1983, University of Sao Paulo, pp. 1-125. Pethica, B.A., et al., Abstract, Biological Repair and Growin Society, June 1998.

Phoenix (Business Wire), July 8 1997 via CompanyLink - OthoLogio, Corp.

"Reflex Sympathetic Dystroph", Does RSD Exist?" www.arbon.com (06/04/97)" "Reflex Sympathetic Dystrochy: The Pain That Doesn't Stop," tcacc.nc.us.(06/04/97)

ABSTRACT, (Proceedings of the 11th Int'l. Conference on Medical and Biological Engineering VULTRASONIC

Yang, K.H. et al., "Exposure to Low-Intensity Ultrasound Treatment Increases Aggrecan Gene Expression in a Rat Femur Fracture Model", J. Ortho Research (1996), 14:802-809. Examiner:

Human Fibroblasts", Ultrasonics (1980), 33-37.

Research (1994), 12: 40-47.

RSDnet.org "Reflex Sympathetic Dystrophy," www.rsdnet.org (06/04/97) RSDnet.org "Reflex Sympathetic Dystrophy," www.rsdnet.org (06/04/9)

Micromovement, Clinical Orthopaedics and Related Research (1994), 301: 281-290.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPED 6699; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Ter Haar, G., et al. Basic Physics of Therapeutic Ultrasound", Physiothecapy (1987), 73(3): 110-113.

Wallace, A.L.; Draper E.R.C.; Strachan, R.K.; McCarthy, I.D.; Hughes, S.P.K., "The Vascular Response to Fracture

Webster D.F.et al., "The Role of Ultrasound-Induced Cavitation in the 'In Vitro' Stimulation of Collagen Synthesis in

Wang, S.J. et al., "Low-Intensity Ultrasound Treatment Increases Strength in a Nat Femoral Fracture Model", J. Ortho.

RECEINED

NOV 1 3 2002

TECHNOLOGY CENTER R370

Docket No.: Application No.: Form PTO-1449 41482-205543 09/980,329 Applicant: INFORMATION DISCLOSURE Winder et al. CITATION IN AN APPLICATION Filing Date: Group Art Unit (Use several sheets if necessary) March 5, 2002 3737 OTHER MATERIAL OF THE STATE OF Including Author, Title, Date, Pertinent Pages, Etc. Initial "Treatment of Osteochondral Defects in Rabbits with SAFHS - Parts I and II, EX1095-01R, EX1096-01R reatment of Osteochondral Defects in Rabbits with SAFHS - Part III, EX1097-01R (August 26, 1997). Stephen and L. Patron, "Trealment of Osteorchondral Defects in Rabbits with SAPHS - A Mosaicplasty Model" Report, EX1098-04R (August 12, 1999). Acoustic Emission - An Update, by Arthur E. Lord, Jr., 1981, Physical Acoustics, vgf. XV, pp. 295-360 mission and Diagnosis of Osteoporosis, by S. Hanagud, G. T. Hannon and R. Clinton, 1974, Ultrasonic Symposium Proceedings (IEEE), pp. 77-81 Acoustic Emission in Bone Substance, by S. Hanagud, R.G. Clinton and J.P. Lopez, 1973, Biomechanics Symposium Proceedings (ASME), pp. 79-81 Acoustic Emission aspection, by Adrian A. Pollock, 1992, ASM Handbook, vol. 17, Nondestructive Evaluation and Quality Control, pp. 238-293 Acoustic Emission Techniques in the Development of a Diagnostic Tool for Osteoporosis, by S. Hanagud and R. G. Clinton, 1975, Ultrasonic symposium Proceedings (IEEE), pp. 41 Application of an intelligent sonal processing system to acoustic emission analysis, by Igo Grabec and Wolfgang Sachse, Mar. 1989, Acoustic Society of America, pp. 787-791

Application of correlation techniques for localization of acoustic emission sources, by I. Grabec, 1978, IPC Business Press Ltd., pp. 111-115 Cornejo, et al., "Large-Area Flexible Aray Piezoelectric Ceramic/Polymer composite Transducer for Bone Healing Acceleration," presented at ISAFXI, Montreux, Switzerland (1998) Clough, R. and J. Simmons, "Theory of Apoistic Enission," Metallurgy Division, national Bureau of Standards. (no date). Fritton, et al., "Whole-Body Vibration in the Six leton; Development of a Resonance-Based Testing Device," Annals of Biomedical Engineering, Vol. 25, pp. 831-836 (1997) Goodship, et al., "Low magnitude high frequency mechanical stimulation of endochondral bone repair" 43rd Annual Meeting Orthopeadic Research Society vol. 22, Sec 1, Feb. 9-13 (1997) J. Kenwright, et al., "Controlled Mechanical Stimulation in the Treatment of Fibial Fractures," Orthopedics, Clinical Orthopedics and Related Research (1989) 241:36-47 Jankovich, "The Effects of Mechanical Vibration on Bone Development in the Rat," J. Biomechanics, 1972, Vol. 5, pp. 241-250 "Ceramic Bulletin, Vol. 68, No. 2, pp. 401-414(1989) Ko, "Preform Fiber Architecture for Ceramic-Matrix Composites, McLeod, et al., "Improved Postural Stability Following Short Term Exposure to Low Level Whole Body Vibration," 44th Annual Meeting, Orthopeedic Research Society, March 16-19, 1998 New Orleans, Louisiana, page 89-15 Newnham, et al., "Connectivity and Piezoelectric-Pyroelectric Composites, Med. Res. Bull., Vol. 13, pp. 525-536 (1978)Pauer, "Flexible Plezoelectric Material, " pp. 1-5, (no date) An Extension of the Composite Nomenclature Scheme, "Med Res. Bull., Vol. 22, pp. 877-894 (1987) Pilgrim, et al., Powell, et al. "A Performance Appraisal of Flexible Array Structures Using a Facet Ensemble Scattering Technique," 1991 Ultrasonic Symposium, pp. 753-766 Powell et al., "Flexible Ultrasonic Transducer Arrays for Nondestructive Evaluation Applications - Part 1: The Theoetical Modeling Approach, "IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control," Vol. 43. No. 3, May 1996, pp. 385-392. Powell, et al., "Flexible Ultrasonic Transducer Arrays for Nondestructive Evaluation Applications - Part II: Performance Assessment of different Array Configurations," IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency, Control," Vol. 43, No. 3, May 1996, pp. 393-402. Date Considered: Examiner: Ruth S. Sm D7/10/2007

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if

It in conformance and not considered. Include copy of this form with next communication to the applicant.

RECEIVED NOV 1 3 2002

TECHNOLOGY CENTER R3700

Docket No.:

Application No.

Form PTO-1449

41482-205543

09/980,329

Sheet 10 of 10

INFORMATION DISCLOSURE CITATION

Winder et al.

IN AN APPLICATION
Use several sheets if necessary)

Filing Date: March 5, 2002

OTHERMATERIAL

Group Art Unit

Initial

Including Author, Title, Date, Pertinent Pages, Etc.

Sarvazyan, "Some General Problems of Biological Action of Ultrasound," IEEE Transactions of Sonics and Ultrasonics, vol. 30, No. 1, Jan. 1983

Ultrasound as a Tool for Investigating Bone: Fundamental Principles and Perspectives for Use in Osteoporosis, by J. G. Bloob, 1993, Expanson Scientifique Francaise

X Qin, et al., "Correlation of In Vivo Bone Adaptation and Mechanical Parameters Using Low Magnitude, High Frequency loading," 41st Annual Meeting Orthopaedic Research Soc., vol. 20 – Sept. 1, Feb. 13-16 (1955)

Bascom, "Other Continuous Fibers," 118/Constitutent Material Form

Bascom, "Other Discontinuous Forms," 120/Constituent Material Forms

Applicant:

Cass, "Fabrication of Continuous Ceramic Fiber by the Viscous Suspension Spinning Process," Ceramic Bulletin, Vol. 70, No. 3, pp. 424-429 (1991)

"Development of Flexible Pieoelectric Transducers and Matching Layer for EXOGEN Incorporated," Final Report, Covering Period 04-01-93 to 02-28-98, Rutgers University.

Grewe, et al., "Acoustic Properties of Particle Polymer Composite for Ultrasonic Transducer Backing Applications," IEEE, (1990)

Grewe, Martha G., "Acoustic Marching And Backing Layer for Medical Ultrasonic Transducers," A Thesis in Solid State Science, The Pennsylvania State University, (May 1989), The Center for Ceramics Research, Rutgers.

Gururaja, T., "Piezoelectric Composite Materials for Ultrasonic Transducer Applications," A Thesis in Solid State Science, The Pennsylvania State University, May, 1984

Gururaja, "Piezoelectrics for Medical Ultrasonic Imaging," Am. Ceram. Soc. Bull., Vol. 73, No. 5, pp. 50-55 (May 1994)

Hall, et al., "The design and evaluation of ultrasonic arrays using 1-3 connectivity composites," SPIE, pp. 216-227, Vol. 1733 (1992)

Niemczewski, B., "A Comparison of Ultrasonic Cavitation Intensity in Liquids," *Ultrasonics*, Vol. 18, pp. 107-110, 1980.

Pilla, et al., "Non-Invasive Low-Intensity Pulsed Ultrasound Accelerates Bone Healing in the Rabbit," *Journal of*

Orthopaedic Trauma, Vol. 4, No. 3, pp. 246-253 (1990)
Safari, "Development of plezoelectric composites for transducers," J. Phys. France, 4:1129-1149 (1994)

Selfridge, "Approximate Material Properties in Isotropic Materials," *IEEE Transactions on Sonics and Ultrasonics*, 9May 1985)

Souquet, et al., "Design of Low-Koss Wide-Band Ultrasonic Transducers for Noninyasive Medical Application," IEEE Transactions on Sonics and Ultrasonics, pp. 75-81, Vol. SU-26, Vo. 2, March 1979

Waller, et al., "Poling of Lead Zirconate Titanate Ceramics and Flexible Piezoelectric Composites by the Corona Discharge Technique," J. Am. Ceram. Soc., 72(2):322-24 (1989)

Winder, Alan, "Synthetic Structural Imaging and Volume Estimation of Riological Tissue Organs," ,Acoustic Sciences Associates, Dec. 1996.

Winder, Alan, "Acoustic Emission Monitoring for the Detection, Localization and Classification of Metabolic Bone Disease," Acoustic Sciences Associates, Dec. 1995.

Wu and Cubbelly, "Measurement of Velocity and Attenuation of Shear Waves in Bovine Compact Bone Using Ultrasonic Spectroscopy," Med. & Biol., Vol. 23, No. 1,129-134, 1997.

Tayakoli and Evans, 1992 (no other information available at this time)

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Driw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant

/Ruth S. Smith/

07/10/2007

RECEIVED

NOV 1 3 2002

TECHNOLOGY CENTER R3700

(0)

				Sheet 1 of 1						
Form PTO-1449 INFORMATION DISCLOSURE CITATION			Docket No.:			Application No.				
			41482/205543 Applicant:			09/980,329				
			Alan A. Winder							
	N AN APPLI		Filing Date:	· · · · · · · · · · · · · · · · · · ·		up Art Unit				
	(Use several sheets if necessary)			March 5, 2002			3737			
			U.S. PATE	NT DOCUMENTS						
Examiner Initial		Patent Number		Patentee	Class	Subclass	Translation			
/RSS/		4,689,986	09/01/87	Carson, et al.						
/RSS/		5,962,790	10/05/99	Lynnworth, et al.						
/RSS/		6,088,613	07/11/00	Unger						
		<u> </u>								
		·								
····	· · · · · · · · · · · · · · · · · · ·		NON U.S	. DOCUMENTS						
		WO 99/38080	11/18/99	PCT		11				
		0 965 839 A1	13/22/99	Europe						
		WO 00/76406	12/21/00	PCT		,				
	o copie									
	7 6051	F.B.								
	<u></u> _	<u> </u>		<u> </u>						
				RMATERIAL	· · ·					
		•		Research, No. 342:264-2						
	Moran, et al., The Journal of Bone and Joint Surgery, 74 B:650-667 (1002)									
		copies								
		<u> </u>								
l										
Examiner:		Ruth S. Smith/		Date Considered: 07/10/2007						
EXAMINER:	: Initial if cita	ation considered, wh	ether or not citation	on is in conformance with	MPEP § 609	; Draw line thro	ough citation if			
not in como	rmance and	not considered. Inc	lude copy of this to	orm with next communication	tion to the ap	iplicant.				

Sheet 1 of 1 Docket No.: Application No. Form PTO-1449 41482/205543 09/980,329 Applicant: INFORMATION DISCLOSURE Alan A. Winder, et al. CITATION IN AN APPLICATION Filing Date: Group Art Unit (Use several sheets if necessary) March 5, 2002 3737 UIS PATENT DOCUMENTS Examiner Patent Number Date Patentee Class Subclass Translation Initial /RSS/ 1,604,870 10/26/1926 Asman 3,304,036 02/14/1967 Davis 4,037,592 07/26/1977 Kronner 4,108,165 08/22/1978 Kopp, et al. 4,431,038 02/14/1984 Rome 4,669,483 06/02/1987 Hepp, et al. 6,394,955 B1 05/28/2002 Perlitz /RSS/ 6,355,006 B1 03/12/2002 Ryaby, et al. NON U.S. DOCUMENTS OTHER MATERIAL Date Considered: /Ruth S. Smith/ 07/10/2007 EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if

not in conformance and not considered. Include copy of this form with next communication to the applicant.